



# Thinvent Neo R/4 Mini PC

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 16GB DDR4 RAM

## 2TB SSD

## Dual Band WiFi

## Windows 11 IoT Value

## DB9 Serial

SKU: R-I3\_13-16-M2048-12\_5-M-11V-1S



Thinvent® Neo R/4 Mini PC: Experience Peak Performance in a Compact Package.

Elevate your operations with the Thinvent® Neo R/4, a robust and versatile mini PC designed for efficiency and unwavering reliability. Engineered for demanding industrial and commercial environments, this powerhouse delivers exceptional speed and stability without occupying valuable space.

### Key Performance Highlights

- Intel® Core™ i3-1315U processor: Experience swift responsiveness with 6 cores boosting up to 4.5 GHz and 10 MB cache, ideal for multitasking and intensive applications.
- Ultra-Fast Storage: Boot in seconds and access data instantly with a generous 512GB SSD.
- Efficient Multitasking: 4GB DDR4 RAM ensures smooth operation across various tasks.

### Built for Connectivity and Control

- Extensive Port Selection: Connect all your essential peripherals with 2x USB 3.2, 2x USB 2.0, dual display support via HDMI and VGA, and a dedicated DB9 serial port for industrial control or legacy systems.

- Seamless Networking: Stay connected with high-speed Gigabit Ethernet and reliable dual-band Wi-Fi 5 (802.11ac).
- Windows 11 IoT Enterprise LTSC 2024 Value: Enjoy a secure, stable, and purpose-built operating system optimized for embedded and long-term deployment.

### Designed for Durability and Versatility

- Robust Construction: Housed in a durable, black powder-coated steel chassis (198mm × 200mm × 73mm), weighing just 110 grams for easy integration.
- Wide Operating Range: Performs reliably in temperatures from 0°C to 40°C.
- Global Compliance: Certified with BIS, RoHS, and ISO standards, ensuring quality and safety.

The Thinvent® Neo R/4 is your ideal solution for kiosks, digital signage, industrial automation, edge computing, and more. Power your success with uncompromised performance and a rugged, space-saving design.



# Thinvent Neo R/4 Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1315U   |
| Cores           | 6       |
| Max Frequency   | 4.5 GHz |
| Cache           | 10 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 2048 GB |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|             |                  |
|-------------|------------------|
| USB 3.2     | 2                |
| USB 2.0     | 2                |
| Serial Port | 1 DB9 male RS232 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 5 Amps                                       |
| Power Input  | 100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 Metre                                      |

### ENVIRONMENTAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

|                      |                       |
|----------------------|-----------------------|
| Form Factor          | Mini PC               |
| Dimensions           | 198mm × 200mm × 73mm  |
| Packing Dimensions   | 340mm × 235mm × 105mm |
| Weight               | 110 grams             |
| Housing Material     | Steel                 |
| Housing Finish       | Powder Coated         |
| Housing Colour       | Black                 |
| Net and Gross Weight | 1.52kg, 1.94kg        |

### OPERATING SYSTEM

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## Ordering Information

## PRODUCT CODE

R-i3\_13-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

## RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32\_32 = 64GB  
DDR4 RAM (2 x  
32GB)16\_16 = 32GB  
DDR4 RAM (2 x  
16GB)8\_8 = 16GB DDR4  
RAM (2 x 8GB)

## SSD

m128 = 128GB

m512 = 512GB

m2048 = 2TB

S128 = 128GB

m256 = 256GB

m1024 = 1TB

S32 = 32GB MLC

S256 = 256GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W\_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

## Accessories

0 = None

1S = DB9 Serial

Mo = Wired Optical Scroll Mouse

KM = Keyboard and Mouse set

MK = Mechanical Keyboard

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